



SEQUENCE LISTING

<110> Ota, Toshio
Nishikawa, Tetsuo
Salamov, Asaf
Isogai, Takao

<120> METHOD FOR SCREENING FULL-LENGTH cDNA
CLONES

<130> 06501-058001

<140> 09/529,962
<141> 2000-04-20

<150> JP 9/289982
<151> 1997-10-22

<150> PCT/JP98/04772
<151> 1998-10-21

<160> 18

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 30
<212> RNA
<213> Artificial Sequence

<220>
<223> Oligo-capping linker sequence

<400> 1
agcaucgagu cggccuuguu ggccuacugg

30

<210> 2
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligo(dT) adapter primer sequence

<400> 2
gcggctgaag acggcctatg tggccttttt tttttttt tt

42

<210> 3
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Random adapter primer sequence

<221> misc_feature

<222> (1)...(32)

<223> n = A,T,C or G

<400> 3

gcggctgaag acggcctatg tggccnnnn nc

32

<210> 4

<211> 880

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(880)

<223> n = A,T,C or G

<400> 4

atgcggccgc	gcggccctat	aggcgctcc	tccgcccccc	gcccgggagc	cgcagccgcc	60
gcccgcactg	ccactccgc	tctctcagcg	ccgcccgtcg	caccggccacc	gccactgcca	120
ctaccacccgt	ctgagtcgtc	agtccccaga	tcccagccat	catgtccata	gagaagatct	180
ggggccggga	gatcctggac	tcccggggaa	accccacagt	ggaggtggat	ctctatactg	240
ccaaagggtcc	tttccgggct	gcagtgccta	gtggagcctc	tacgggcattc	tatgaggccc	300
tggagctgag	ggatggagac	aaacagcggt	acttaggcaa	aggtgtcctg	aaggcagtgg	360
accacatcaa	ctccacccatc	gcgcgcagccc	tcatacgttc	aggtctctt	gtggtgagc	420
aagagaaaact	ggacaacctg	atgctggagt	tggatggac	tgagaacaaa	tccaagttt	480
ggggcaatcc	atcctgggt	tgtctctggc	cgtgtgtaag	gcangggcaa	ctgaacngga	540
actgccccctg	tatcgccaca	ttgctcagct	tggncgggaa	ctcanacctc	atcctgcctg	600
ttggccggcct	tcaacgtat	caatggttgg	cttctctatgc	ctggcaacaa	anctggccat	660
tgcnggaatt	ttcatgatcc	tccccnttgg	gaaactgaaa	aactttccgg	aatgcccn	720
caactaagtt	gcaaaaggtc	tacnataacc	ccccaaagggg	aattcctcca	agggaaacaaa	780
tnccccggaa	aggaatgccc	cccaattttt	nggggaaata	aaagggtggc	tttggccccc	840
cattttcctg	aaaaaaacna	tnaaaaccct	tggaaactt			880

<210> 5

<211> 645

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(645)

<223> n = A,T,C or G

<400> 5

tgtgcgttac	ttacctcnac	tcttagcttg	tcggggacgg	taaccgggac	ccggtgtctg	60
ctccgtcgc	cttcgcctcc	taatccctag	ccactatgcg	tgagtgcattc	tccatccacg	120
ttggccaggg	tgggtccan	attggcaatg	cctgtggga	gctctactgc	ctggaaacacg	180
gcatccagcc	cgatggccag	atgccaagtg	acaagaccat	tgggggagga	gatgactcct	240
tcaacacctt	cttcagttag	acgggcgtct	gcaancacgt	gccccgggt	gtgtttgtag	300
acttggaaacc	cacagtctt	gatgaagtgc	gcactggcac	ctaccggccag	ctcttccacc	360
ctgagcagct	catcncaggc	aaggaagatg	ctgccaataa	ctatgcccga	gggcactaca	420
ccattggcaa	ggagatcatt	gaccttggat	tggaccgaat	tcgcaagctg	gctgaccant	480
gcaccgggtct	tcanggcttc	ttggttttcc	acagcttgg	tgggggaact	ggttctgggt	540
tcaccccttct	gctcatggaa	cgtctctcag	ttgattatgg	caagaaatcc	aagctggagt	600
tctccattta	cccagcaccc	cngggttccn	cngctgtant	tngaa		645

<210> 6

<211> 820
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(820)
<223> n = A,T,C or G

<400> 6

ctttttcgc aacgggttg ccgccagaac acaggtgtcg taaaaactac ccctaaaagc	60
caaaatggga aaggaaaaga ctcatatcaa cattgtcgac attggacacg tagattcggg	120
caagtccacc actactggcc atctgatcta taaatgcgggt ggcacatcgaca aaagaaccat	180
tgaaaaattt gagaaggagg ctgctgagat gggaaagggc tccttcaagt atgcctgggt	240
cttggataaa ctgaaagctg agcgtgaacg tggatcacc attgatatct ctttgtggaa	300
atttgagacc agcaagtact atgtgactat cattgatgcc ccaggacaca gagactttat	360
caaaaacatg attacaggga catctcaggc tgactgtgc gtcctgatgg ttgctgctgg	420
tgttggtaaa tttgaagctg gtatctccaa gaatgggcag acccgagacg atgccttct	480
ggcttacaca ctgggtgtga aacaactaat tgtcgggttt aacaaaatgg attcaactgan	540
ccaccctaca gccagaagaa atatgangaa attgttaagg aagttagcac ttacattaag	600
aaaattggct acaaccccga cacagtanca tttgtccaa tttctgggtt gaatgggtac	660
aacatgctgg aaccaantgc taacatgcct tggttccagg gatggaaaat cccccnttaa	720
ggatggcnat gccattggaa ccccccgtct tgaagctct ggantgcac ctancaccaa	780
ctccttcaaa ttgaaaaacc cttgcnnccc gcctccncca	820

A
<210> 7
<211> 788
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(788)
<223> n = A,T,C or G

<400> 7

gaggctgagg cagtggctcc ttgcacagca gctgcacgcg ccgtggctcc ggatctttc	60
gtcttgcag cgtagcccgaa gtcgggtcagc gcccggaggac ctcagcagcc atgtcgaagc	120
cccatatgtaa agccggact gcttcattt agaccaggca gctgcacgca gccatggctg	180
acacattcct ggagcacatg tgccgcctgg acattgattt accaccatc acagcccgaa	240
acactggcat catctgtacc attggcccaag cttcccgatc agtggagacg ttgaaggaga	300
tgatataatc tggaaatgtt gttggctcgtc tgaacttctc tcatggaaact catgatgtacc	360
atgcggagac catcaagaat gtgcgcacag ccacgaaag ctttgcttct gacccatcc	420
tctaccggcc cggtgcgtg gctctagaca ctaaaggacc tgatggctca actgggtca	480
tcaagggcag cggcactgca gaggtggagc tgaagaatgg agccactctc aaaatcacgc	540
tggataatgc ctacatggaa aagtgtgacg agaacatctt gtggctggac tacaagaaca	600
tctgcaaggt ggtggaaatgtt gccaacaaga tctacgttga tgatggctn atttctctcc	660
aggtaacac aaagggtcccg acttcctggg tgacngangt gaaaaatgtt ggctccctgg	720
gcncaaagaaa ggtgtgaact tcctggggct gctgtggant tgctgctgt gtcngaaaaa	780
gacatcca	788

<210> 8
<211> 608
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(608)

<223> n = A,T,C or G

<400> 8

acagcctggc	tccttgagt	atgaatatgc	catgcgctgg	aaggcactca	ttgagatgga	60
gaagcagcag	caggaccaag	tggaccgcaa	catcnaggag	gctcggtgaga	agctggagat	120
ggagatggaa	gctgcacgccc	atgagcacca	ggtcatgcta	atgagacagg	atttgatgag	180
gcgccaagaa	gaacttcgga	ggatggaaga	gctgcacaac	caagangtgc	aaaaacgaaa	240
gcaactggag	ctcaggcagg	aggaanagcg	caggcgccgt	gaagaanaga	tgcggcggca	300
gcaagaagaa	atgatgcggc	gacngcagga	aggattcaag	ggaaccttcc	ctgatgcgag	360
agagcaggag	attcggatgg	gtcnatggc	tatggaggt	gctatggca	taaacnacag	420
atgtccatg	ccccctgctc	ctgtgccagc	tggtacccca	gctcctccag	gacctgcccac	480
tattatgccc	gatggaactt	tgggattgac	cccaccnaca	actgaacgct	ttggtcnggc	540
tgctacnatg	gaangaattt	ggcaattgg	tggactcct	cctgcattcn	accgtgcagc	600
tcctggga						608

<210> 9

<211> 608

<212> DNA

<213> Homo sapiens

A
<220>

<221> misc_feature

<222> (1)...(608)

<223> n = A,T,C or G

<400> 9

acagcctggc	tccttgagt	atgaatatgc	catgcgctgg	aaggcactca	ttgagatgga	60
gaagcagcag	caggaccaag	tggaccgcaa	catcnaggag	gctcggtgaga	agctggagat	120
ggagatggaa	gctgcacgccc	atgagcacca	ggtcatgcta	atgagacagg	atttgatgag	180
gcgccaagaa	gaacttcgga	ggatggaaga	gctgcacaac	caagangtgc	aaaaacgaaa	240
gcaactggag	ctcaggcagg	aggaanagcg	caggcgccgt	gaagaanaga	tgcggcggca	300
gcaagaagaa	atgatgcggc	gacngcagga	aggattcaag	ggaaccttcc	ctgatgcgag	360
agagcaggag	attcggatgg	gtcnatggc	tatggaggt	gctatggca	taaacnacag	420
atgtccatg	ccccctgctc	ctgtgccagc	tggtacccca	gctcctccag	gacctgcccac	480
tattatgccc	gatggaactt	tgggattgac	cccaccnaca	actgaacgct	ttggtcnggc	540
tgctacnatg	gaangaattt	ggcaattgg	tggactcct	cctgcattcn	accgtgcagc	600
tcctggga						608

<210> 10

<211> 813

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(813)

<223> n = A,T,C or G

<400> 10

gttgtggat	ctgtattaag	aatgcccct	ttggcgccct	atcaattgtc	aatctaccaa	60
gcaacttgg	aaaagaaacc	acacatcgat	attgtccaa	tgccttcaaa	cttcacaggt	120
tgccatccc	tcgtccaggt	gaagttttgg	gattagttgg	aactaatgt	attgaaaagt	180
caactgctt	aaaaatttta	gcaggaaaac	aaaagccaa	ccttggaaag	tacgtatgtc	240
ctcctgactg	gcaggagatt	ttgacttatt	tccgtggatc	tgaattacaa	aattacttta	300
caaagattct	agaagatgac	ctaaaagcca	tcatcaaacc	tcaatatgt	gaccagattc	360

ctaaggctgc aaaggggaca gtgggatcta ttttggaccg aaaagatgaa acaaagacac	420
aggcaattgt atgtcagcag ctgatttaa cccacctaag agaacgaaat gttgaagatc	480
tttcaggagg agagttgcag agatttgctt gtgctgtcg ttgcatacag aaagctgata	540
ttttcatgtt tgatgagcct tctagttacc tagatgtcaa gcagcgaaa aaggctgcta	600
ttactatacg atctctaata aatccagata gatatatcat tgtggggaa catgatctaa	660
gtgtattaga ctatctcc gacttcatct gctgttata tgggttacca agccctatg	720
gaattgtcac tatgccttt agtgttagaa aaggataaaa cttttttgg atggatgt	780
tccaacagaa aactganaa tcnnaaatgc ntc	813

<210> 11
<211> 655
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(655)
<223> n = A,T,C or G

<400> 11

agactctcac cgccggccc aggaacgcca gccgttcacg cggtcggtcc tccttggctg	60
actcaccgccc ctgcggccg caccatggac gccccaggc aggtggtcaa ctggggcct	120
ggtcccgcca agctgcccga ctcagtgtt ttagagatac aaaaggaaatt attagactac	180
aaaggagttt gcattagtgt tcttggaaatg agtcacaggt catcagatt tgccaaaggatt	240
attaacaata cagagaatct tggcgggaa ttgctagctg ttccagacaa ctataagggt	300
attttctgc aaggagggtgg gtgcggccag ttcagtgtc tccctttaaa cctcattggc	360
ttgaaagcag gaagggtgtc ggactatgtt gtgacaggag ctgggtcagc taaggccgca	420
gaagaagcca agaagttgg gactataat atcgttcacc ctaaacttgg gagttataca	480
aaaattccag atccaagcac ctggAACCTC aacccanatg ctcctacgt gtttattgc	540
ncaaatgaaa cgggtcatgg tgggtttttt gactttatac ccnatgtcaa gggAACANT	600
ctgggttgc acatttccct ccaacttcct gtccaaancca attgnatgtt tccaa	655

<210> 12
<211> 599
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(599)
<223> n = A,T,C or G

<400> 12

aaagatgcgc aggccgcgtg tggcaactcgg cggtcgaaag gggagttcaa ggagacgggg	60
gcgacgcggc tgagggttgc tcgtcggtt cggggctgca gccgtcatgc cggggatagt	120
ggagctgccc actctagagg agctgaaaatg agatgagggtg aaaatttagtt ctgctgtgt	180
taaagctgcg gcccacact atggagctca atgtgataag cccaaacaaagg aattttatgt	240
ctggcgctgg gaanagaaag atcccgaggcg gtgcttagag gaaggcaaaac tggtaacaa	300
gtgtgctttt gacttctta ggcagataaa acgtcaactgt gcagagcctt ttacagaata	360
ttggacttgc attgattata ctggccagca gttatccgt cactgtcgc aacagcaggc	420
aaagtttgac ntagtgcgtc tgacaaaact gggctgggtg cggcctgacc tggaaaact	480
gtcaaaggc accaaagtga aaacagatcn accttaccg ganaatccct atcactcaag	540
aacaagaacg gatcccagcc ctganatcna aggaaatctg cancctgcac cacatggca	599

<210> 13
<211> 597
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(597)

<223> n = A,T,C or G

<400> 13

atatccggag tagacggagc cgca	ggatccgcgg ctgcac	cactgccc	60
cgaggcctgg tagtggcca caagccccca	gtcccagagg cgtgat	tggcatc	120
aaatcttgtt tcaaggattt gttataat	aaccagaaac catgacggcg	gctgagaacg	180
tatgtcacac gttaattaac gtgc	attcagaacc accatctgaa	attagcttaa	240
aaaatgtact agaaaaagga gatgtaaagt	caaagactga agcttgaag	aaagtaatca	300
ttatgattct gaatggtaaa	aaacttcctg gacttctgat	gaccatcatt	360
taccttca ggatcacact atcaagaaat	tacttctggt	attttggag attgttccta	420
aaacaactcc agatgggaga cttttacatg	agatgatcct	tgtatgtgat	480
aggatctca acatcctaattt	naaggatcta ctcttcgtt	tcttgcaaa	540
ttgaaanaaa canaatttgc	aaaaccttta atgccancta	tncctgcatt tttggaa	597

<210> 14

<211> 634

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(634)

<223> n = A,T,C or G

<400> 14

agactctcac cgca	ggacgcggcc aggaacgc	gccgttcacg cg	ttcggtcc	tccttggctg	60
actcaccgccc	ctcgccgccc	caccatggac	gccccca	agggtggtaa	120
ggtcccgcca	agctgcgc	ctcagtgtt	tttagagata	aaaaggaattt	180
aaaggantt	gcattagtgt	tcttgaat	agtcacaggt	catcagattt	240
at	tttttctgc	cagagaatct	tgtgcggaa	ttgctagct	300
tttgc	aaggagg	tttgcggcc	ttcagtgt	ttcccttaaa	360
ttgaaagcag	gaangtgc	ggactatgt	gtgacaggag	cttggtcagc	420
naanaagcca	agaanttgg	gactataat	atcg	taaggccca	480
aaaattccag	atccaagcac	cttggaaac	ctaaacttgg	gagtataca	540
gcnaatgaaa	cngtgc	ttttatac	ccgatgtcn	ggaaacatac	600
tggttgtga	catgtc	acttcccgt	ccna		634

<210> 15

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(757)

<223> n = A,T,C or G

<400> 15

agtctgcgtt	gggctancgg	acgg	ttccggcggc	cg	tcttgctggc	60
tgtctcgctg	aatcgccg	cc	gc	tt	gt	120
tgtcggaacc	cg	gggg	gg	gg	gg	180
tgcanaatgt	gg	gggg	gg	gg	gg	240
	ggcggacgt	ggcggacgt	ggcggacgt	ggcggacgt	ggcggacgt	

tgctggagga	cggcggcgaa	gcgcggccg	cgctggaggc	ggcgctggag	gagaagagcg	300
ccctggagca	gatgcgcaga	ttcccttcgg	acccgcacgt	ccacacgggt	ctggggagc	360
gctccacgct	caaagtggac	gtcggtgatg	aaggagaaga	agaaaaaaga	ttcatttcct	420
ataaacatcaa	cntagacatt	cactatgggg	ttaaatccaa	tagctggca	ttcattaaac	480
gtactcccgt	gattgatgca	gataaaacccg	tgtcttctca	nctccgggtc	cttacactca	540
gtgaanactc	nccctacnaa	aactttgcat	tctttcatta	acaatgcagt	ggctcccttt	600
tttaantcct	acattaaaaa	atctggcaag	gcaaacaggg	atggtgataa	aatggctcct	660
tccnttgaaa	aaaaaaattgc	cgaactcnaa	atnggactcc	ttcccttgc	ncaaaaatttt	720
tgaaattccg	gaaaatcanc	ctgccccatt	cctcccc			757

<210> 16
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 16						
atcatttcct	tatttatatt	tcatgttgg	atgcttaaat	cgataaacctt	tgtatTTGA	60
agtgcgcac	atggaagggt	atctgcaaga	gctgcattcag	tcaaacaccg	ggggataaaat	120
ctggatttgg	gttccggcgt	caaggtgaag	ataataccta	aagaggaaca	ctgtaaaatg	180
ccagaaggcag	gtgaanagca	accacaagtt	taaatgaaga	caagctgaaa	caacgcAACG	240
tggtttata	ttagatattt	gacttaaact	atctcaataa	agttttgcag	ctttcaccac	300

<210> 17
<211> 313
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(313)
<223> n = A,T,C or G

<400> 17						
aaagatggcg	gccccggagg	taggcagagc	aggacgcccgc	tgctgccccc	gccaccggccg	60
cctccgctcc	agtgcctcc	ggtccttcaa	actcacacct	cccgggagga	gctgcctgg	120
cgcgggtcc	cgcggggaaa	atgggtggagc	cagggcaaga	tttactgctt	gctgcttga	180
gtgagagtgg	aattagtccg	aatgactctt	tgtatTTGAT	ggggagatg	canggcttgc	240
aactccaatg	cctaccgggt	cagttcagca	ntcagtgc	tttattgtcat	tanaactang	300
tttggagacc	gaa					313

<210> 18
<211> 667
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(667)
<223> n = A,T,C or G

<400> 18						
actgccccggc	tcggcggtgag	tcgctgcggg	gctgacgggg	tggcagtgcg	gcgggttacg	60

gcctggtcag accataatga cttcagcaaa taaagcaatc gaattacaac tacaagtcaa	120
acaaaatgca gaagaattac aagactttat gcgggattta gaaaactggg aaaaagacat	180
taaacaaaag gatatgaaac taagaagaca gaatggtgtt cctgaagaga attiacctcc	240
tattcgaaat gggattta ggaaaaagaa gaaaggcaaa gctaaagagt cttccccaaa	300
accanagagg aaaacacnaa aaacaggata aaatcttatg attatgangc atggcaaaa	360
cttgatgtgg accgtatcct tcatgagctt gacaaagacg atagtagcca tgagtctctg	420
tctcaagaat cagactcgga agaagatggg attcatgttg attcnncnaaa ggctcttgtt	480
ttaaaagaaa agggcnataa atacttccac aaggaaaata tgatgaagca attgactgct	540
acacnaaagg cttggatgcc gatccatattt atcccgtgtt gccaacgaac anaacntccg	600
catattttag actgaaaaaa ttgtgtttt ctgaatctga ttgttattta ncanttgct	660
tgaaaaata	667

